

Level 3 WBS #	6.5.3								
Level 4 WBS # and title	6.5.3.3 ELMB Motherboard								
Institution:	Michigan State University								
Prepared by:	Joey Huston								
	Task name	Start Date	Finish Date	uration (work days	Material	Travel	uration (weeks	Start day	End day
		(mm/dd/yyyy)	(mm/dd/yyyy)	(enter "Yes" or "No"	(enter "Yes" or "No")				
	Tile On-detector Electronics PDR	3/31/18				no			
	Design and prototype of ELMB++ motherboards	4/1/19							
	Develop functional description of card	4/1/19	4/26/19	20	no	no	3.6	Monday	Friday
	Technical description of functional implementation/development of parts list	4/29/19	5/24/19	20	no	no	3.6	Monday	Friday
	Component layout	5/27/19	6/28/19	25	no	yes	3.6	Monday	Friday
	Trace layout	7/1/19	8/30/19	45	no	yes	8.6	Monday	Friday
	Final design review	9/2/19						Monday	
	PreProduction Start	9/3/19						Tuesday	
	Preproduction of ELMB++ motherboards	9/3/19							
	Preproduction order parts	9/3/19	10/4/19	24	yes	no	4.4	Tuesday	Friday
	PreProduction PCB (30 boards)	9/4/19	10/4/19	23	yes	yes	4.3	Wednesday	Friday
	Parts and boards for pre-production arrive	10/4/19						Friday	
	PreProduction PCB stuffing	10/7/19	11/5/19	22	yes	yes	4.1	Monday	Tuesday
	Design of test fixtures	9/3/19	10/3/19	23	no			Tuesday	
	Fabrication of test fixtures	10/4/19	11/5/19	23	yes	no	4.6	Friday	Tuesday
	Burn-in, test, repair (BTR) 15 boards	11/6/19	12/16/19	29	no	no	5.7	Wednesday	Monday
	Burn-in, test, repair (BTR) 15 boards	12/17/19	1/31/20	34	no	no	6.4	Tuesday	Friday
	Ship PreProduction boards to institutes	2/3/20	2/7/20	5	yes	no	0.6	Monday	Friday
	Beginning of project funds	4/1/20						Wednesday	
	Production of ELMB++ motherboards start	4/1/20						Wednesday	
	Production order parts for 256 boards	4/1/20	4/30/20	22	yes	no	4.1	Wednesday	Thursday
	Production PCB (256 boards)	4/1/20	4/30/20	22	yes	yes	4.1	Wednesday	Thursday
	Production PCB stuffing (256 boards)	5/1/20	6/1/20	22	yes	yes	4.4	Friday	Monday
	BTR 16 boards	6/2/20	6/30/20	21	no	no	4.0	Tuesday	Tuesday
	Ship 16 boards to institutes	7/1/20	7/3/20	3	yes	no	0.3	Wednesday	Friday
	BTR 16 boards	7/1/20	7/31/20	23	no	no	4.3	Wednesday	Friday
	Ship 16 boards to institutes	8/3/20	8/5/20	3	yes	no	0.3	Monday	Wednesday
	BTR 16 boards	8/3/20	8/31/20	21	no	no	4.0	Monday	Monday
	Ship 16 boards to institutes	9/1/20	9/3/20	3	yes	no	0.3	Tuesday	Thursday
	BTR 16 boards	9/1/20	9/30/20	22	no	no	4.1	Tuesday	Wednesday
	Ship 16 boards to institutes	10/1/20	10/5/20	3	yes	no	0.6	Thursday	Monday
	BTR 16 boards	10/1/20	10/30/20	22	no	no	4.1	Thursday	Friday
	Ship 16 boards to institutes	11/2/20	11/4/20	3	yes	no	0.3	Monday	Wednesday
	BTR 16 boards	11/2/20	11/30/20	21	no	no	4.0	Monday	Monday
	Ship 16 boards to institutes	12/1/20	12/3/20	3	yes	no	0.3	Tuesday	Thursday
	BTR 16 boards	12/1/20	12/31/20	23	no	no	4.3	Tuesday	Thursday
	Ship 16 boards to institutes	1/4/21	1/6/21	3	yes	no	0.3	Monday	Wednesday
	BTR 16 boards	1/4/21	2/1/21	21	no	no	4.0	Monday	Monday
	Ship 16 boards to institutes	2/2/21	2/4/21	3	yes	no	0.3	Tuesday	Thursday
	25% production complete	2/4/21						Thursday	
	BTR 16 boards	2/2/21	3/3/21	22	no	no	4.1	Tuesday	Wednesday
	Ship 16 boards to institutes	3/4/21	3/8/21	3	yes	no	0.6	Thursday	Monday
	BTR 16 boards	3/4/21	4/2/21	22	no	no	4.1	Thursday	Friday
	Ship 16 boards to institutes	4/5/21	4/7/21	3	yes	no	0.3	Monday	Wednesday
	BTR 16 boards	4/5/21	5/4/21	22	no	no	4.1	Monday	Tuesday
	Ship 16 boards to institutes	5/5/21	5/7/21	3	yes	no	0.3	Wednesday	Friday
	BTR 16 boards	5/5/21	6/3/21	22	no	no	4.1	Wednesday	Thursday
	Ship 16 boards to institutes	6/4/21	6/8/21	3	yes	no	0.6	Friday	Tuesday
	BTR 16 boards	6/4/21	7/6/21	23	no	no	4.6	Friday	Tuesday
	Ship 16 boards to institutes	7/7/21	7/9/21	3	yes	no	0.3	Wednesday	Friday

	BTR 16 boards	7/7/21	8/5/21	22	no	no	4.1	Wednesday	Thursday
	Ship 16 boards to institutes	8/6/21	8/10/21	3	yes	no	0.6	Friday	Tuesday
	BTR 16 boards	8/9/21	9/7/21	22	no	no	4.1	Monday	Tuesday
	Ship 16 boards to institutes	9/8/21	9/10/21	3	yes	no	0.3	Wednesday	Friday
	50% production complete	9/8/21						Wednesday	
	BTR 16 boards	9/8/21	10/7/21	22	no	no	4.1	Wednesday	Thursday
	Ship 16 boards to institutes	10/8/21	10/12/21	3	yes	no	0.6	Friday	Tuesday
	BTR 16 boards	10/8/21	11/8/21	22	no	no	4.4	Friday	Monday
	Ship 16 boards to institutes	11/9/21	11/11/21	3	yes	no	0.3	Tuesday	Thursday
	BTR 16 boards	11/9/21	12/8/21	22	no	no	4.1	Tuesday	Wednesday
	Ship 16 boards to institutes	12/9/21	12/13/21	3	yes	no	0.6	Thursday	Monday
	BTR 16 boards	12/9/21	1/10/22	23	no	no	4.6	Thursday	Monday
	Ship 16 boards to institutes	1/11/22	1/13/22	3	yes	no	0.3	Tuesday	Thursday
	BTR 16 boards	1/11/22	2/9/22	22	no	no	4.1	Tuesday	Wednesday
	Ship 16 boards to institutes	2/10/22	2/14/22	3	yes	no	0.6	Thursday	Monday
	BTR 16 boards	2/10/22	3/11/22	22	no	no	4.1	Thursday	Friday
	Ship 16 boards to institutes	3/14/22	3/16/22	3	yes	no	0.3	Monday	Wednesday
	BTR 16 boards	3/14/22	4/12/22	22	no	no	4.1	Monday	Tuesday
	Ship 16 boards to institutes	4/13/22	4/15/22	3	yes	no	0.3	Wednesday	Friday
	BTR 16 boards	4/13/22	5/12/22	22	no	no	4.1	Wednesday	Thursday
	Ship 16 boards to institutes	5/13/22	5/17/22	3	yes	no	0.6	Friday	Tuesday
	75% production complete	5/13/22						Friday	
	BTR 16 boards	5/13/22	6/13/22	22	no	no	4.4	Friday	Monday
	Ship 16 boards to institutes	6/14/22	6/16/22	3	yes	no	0.3	Tuesday	Thursday
	BTR 16 boards	6/14/22	7/13/22	22	no	no	4.1	Tuesday	Wednesday
	Ship 16 boards to institutes	7/14/22	7/18/22	3	yes	no	0.6	Thursday	Monday
	BTR 16 boards	7/14/22	8/12/22	22	no	no	4.1	Thursday	Friday
	Ship 16 boards to institutes	8/15/22	8/17/22	3	yes	no	0.3	Monday	Wednesday
	BTR 16 boards	8/15/22	9/13/22	22	no	no	4.1	Monday	Tuesday
	Ship 16 boards to institutes	9/14/22	9/19/22	4	yes	no	0.7	Wednesday	Monday
	BTR 16 boards	9/14/22	10/13/22	22	no	no	4.1	Wednesday	Thursday
	Ship 16 boards to institutes	10/14/22	10/18/22	3	yes	no	0.6	Friday	Tuesday
	BTR 16 boards	10/14/22	11/14/22	22	no	no	4.4	Friday	Monday
	Ship 16 boards to institutes	11/15/22	11/17/22	3	yes	no	0.3	Tuesday	Thursday
	BTR 16 boards	11/15/22	12/14/22	22	no	no	4.1	Tuesday	Wednesday
	Ship 16 boards to institutes	12/15/22	12/19/22	3	yes	no	0.6	Thursday	Monday
	100% production complete	12/15/22						Thursday	